

## ABSTRACT

Disclosed herein are methods and apparatuses for sequencing a nucleic acid. In one aspect, the method includes annealing a population of circular nucleic acid molecules to a plurality of anchor primers linked to a solid support, and amplifying those members of the population of circular nucleic acid molecules which anneal to the target nucleic acid, and then sequencing the amplified molecules by detecting the presence of a sequence byproduct such as pyrophosphate.